

**IN THE CLAIMS:**

***Please cancel claims 3-7.***

***Please amend claim 2 as follows:***

2. ***(Thrice Amended)*** A permanent magnet motor comprising:

a stator having stator teeth; and

a rotor coaxially inserted within said stator, wherein said rotor comprises a cylindrical permanent magnet including a composite block of plural cylindrical unit permanent magnets, each of said plural cylindrical unit permanent magnets having magnetically anisotropic orientation in a single diametrical direction perpendicular to a cylinder axis of said cylindrical permanent magnet, with each of said plural cylindrical unit permanent magnets being magnetized to have evenly disposed magnetic poles around a circumference of said cylindrical permanent magnet,

wherein said evenly disposed magnetic poles are  $k$  in number, with  $k$  being an even integer not smaller than 4 and not greater than 100,

wherein said stator teeth are  $n$  in number, with  $n$  being equal to  $3n_0$ , when  $n_0$  is a positive integer not exceeding 33, with the proviso that  $k$  is not equal to  $n$ ,

wherein a direction of diametrical orientation of each of said plural cylindrical unit permanent magnets forms a rotational displacement angle, within a plane that is perpendicular to said cylinder axis, with a direction of diametrical orientation of an immediately adjacent one of said plural cylindrical unit permanent magnets, and

wherein said rotational displacement angle is equal to  $180^\circ$  divided by the number of said plural cylindrical unit permanent magnets.